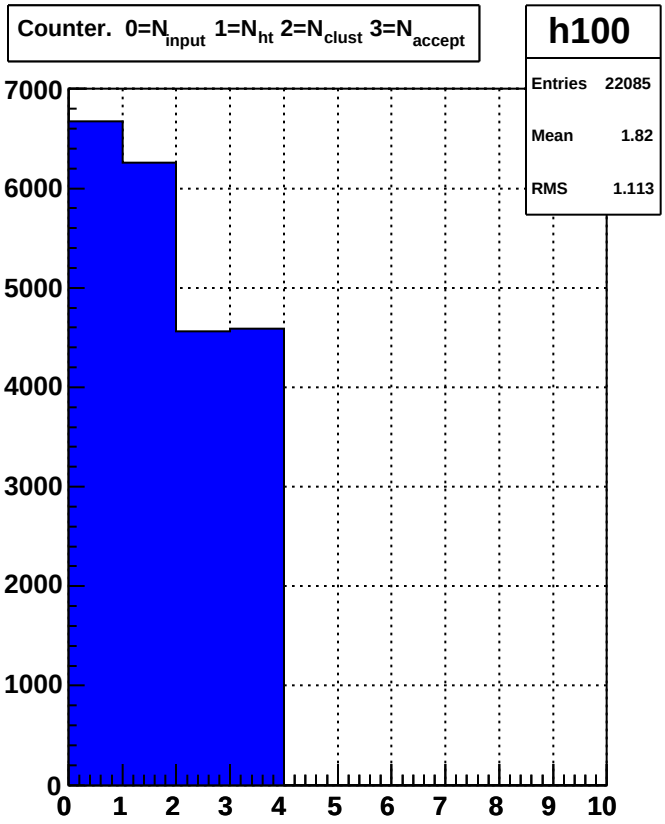
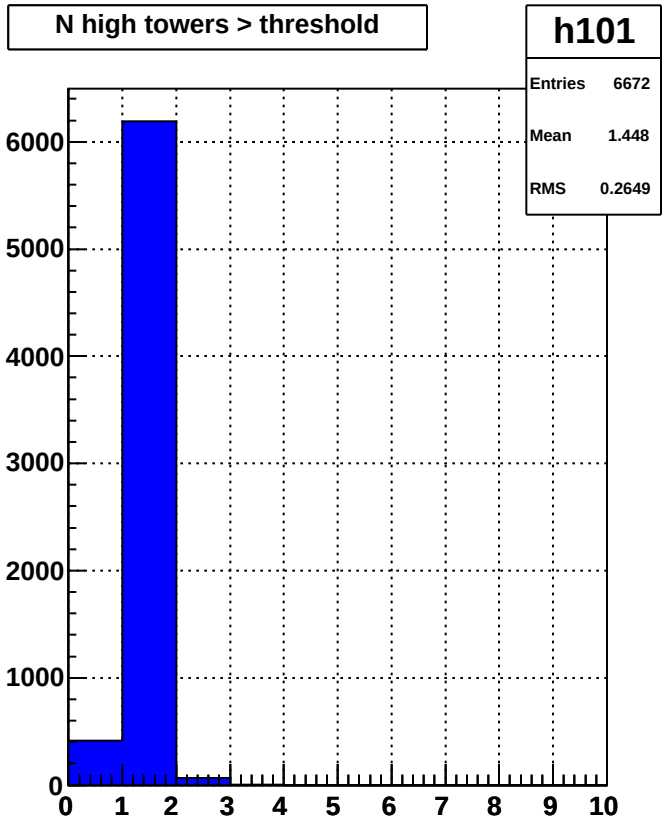
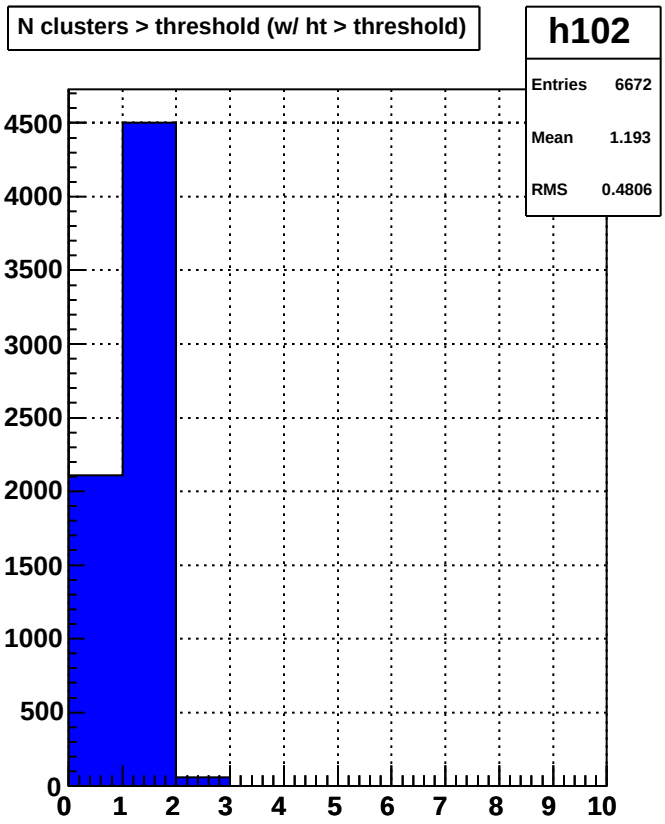
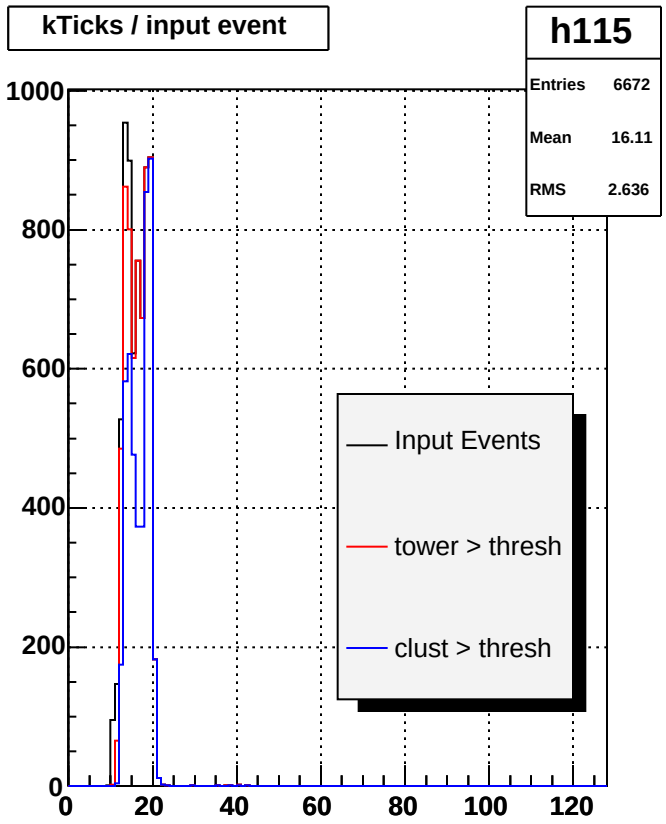
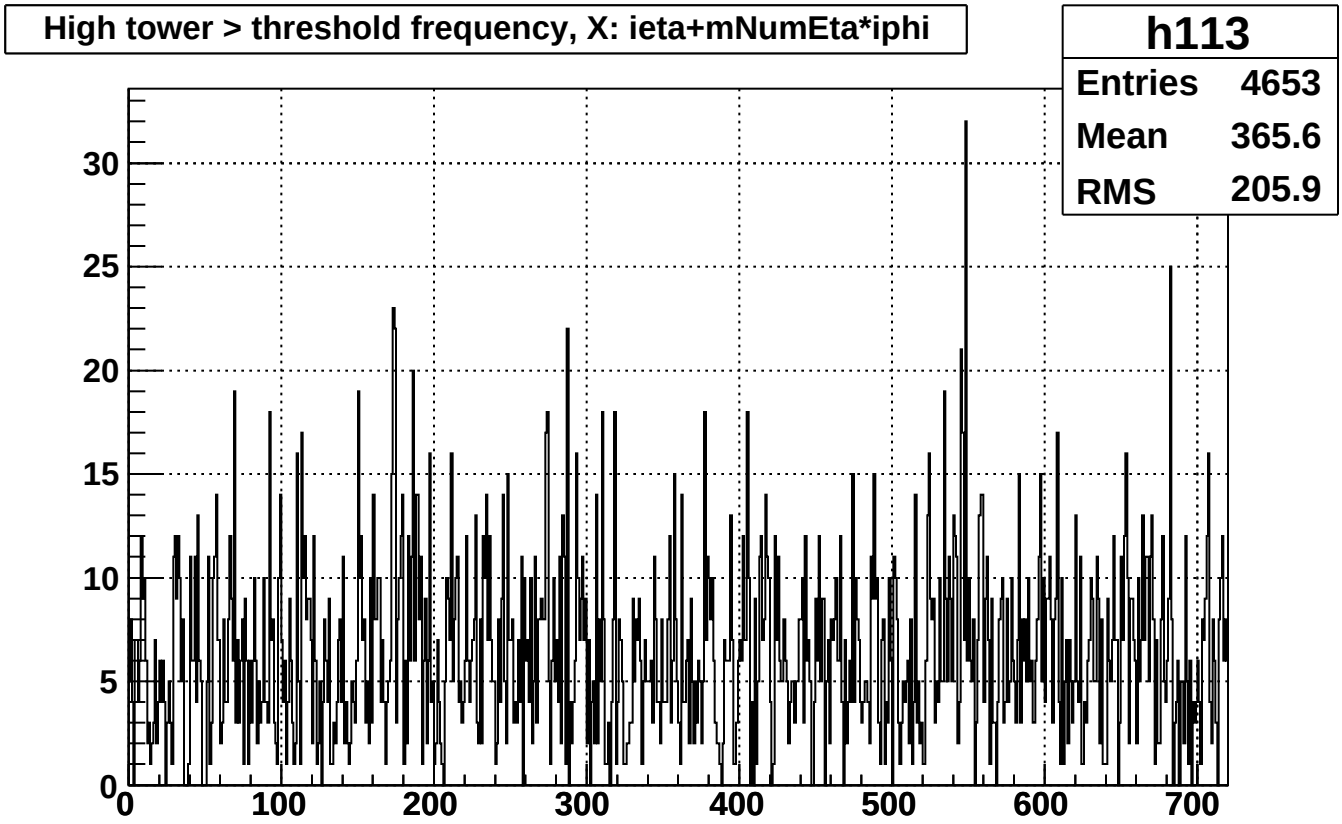
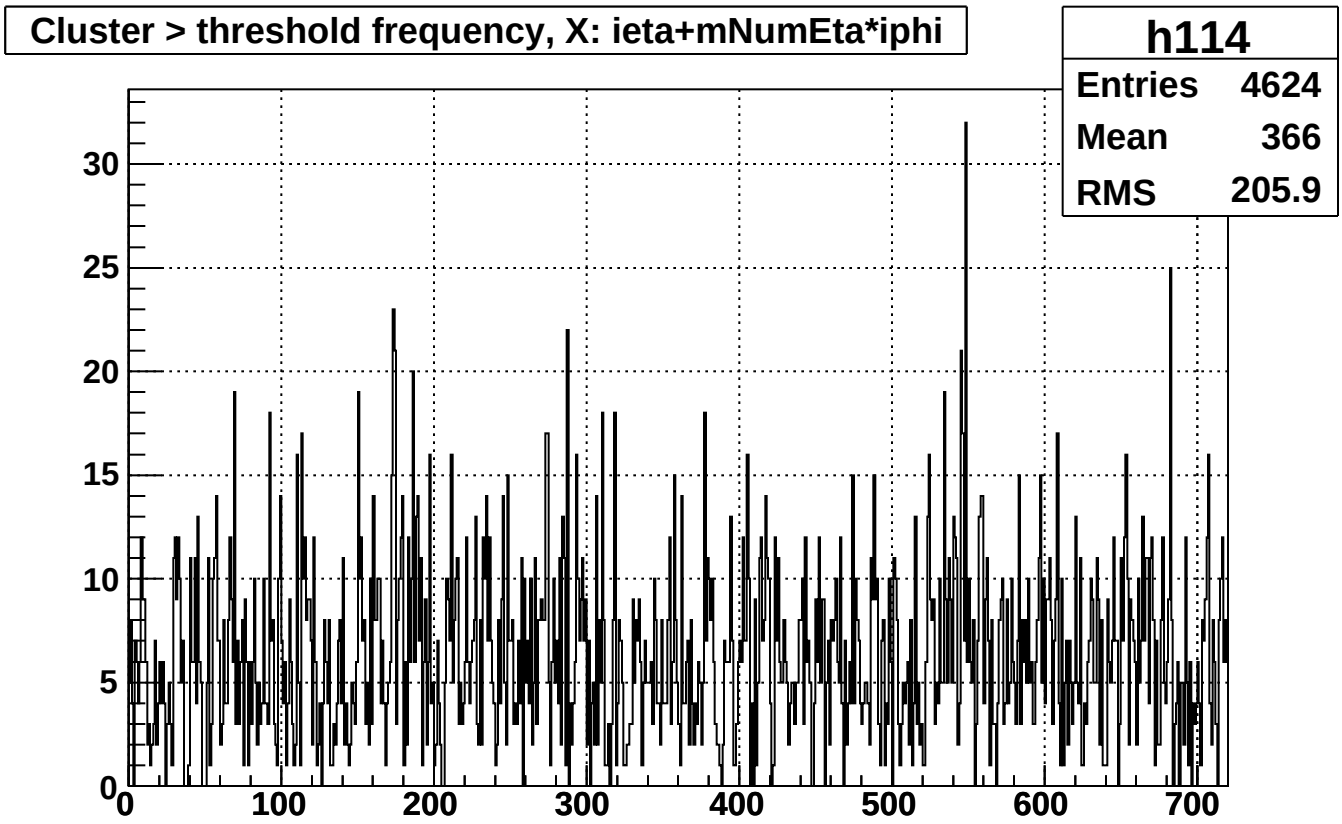

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 22085
Mean 1.82
RMS 1.113

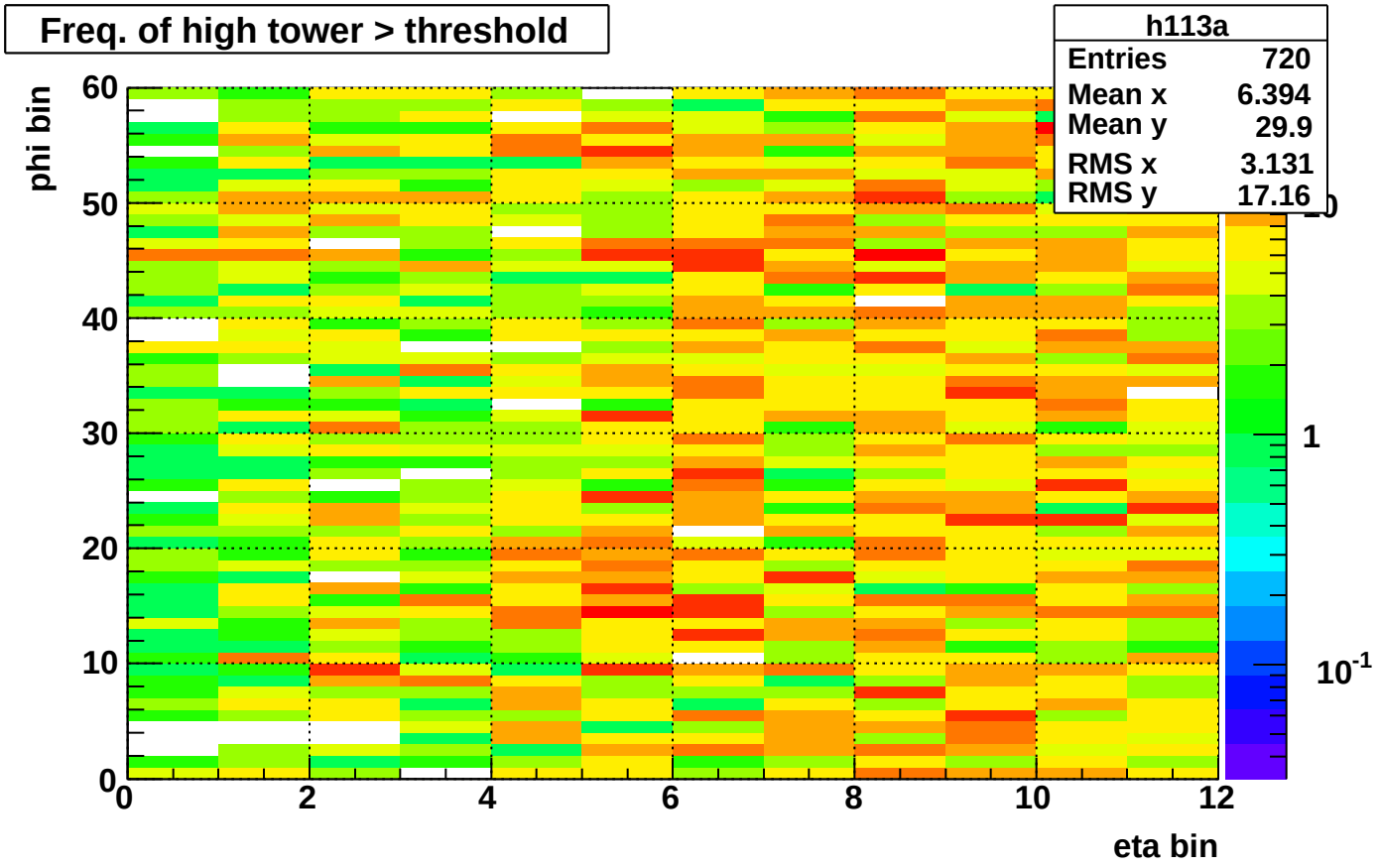

N high towers > threshold
h101
Entries 6672
Mean 1.448
RMS 0.2649

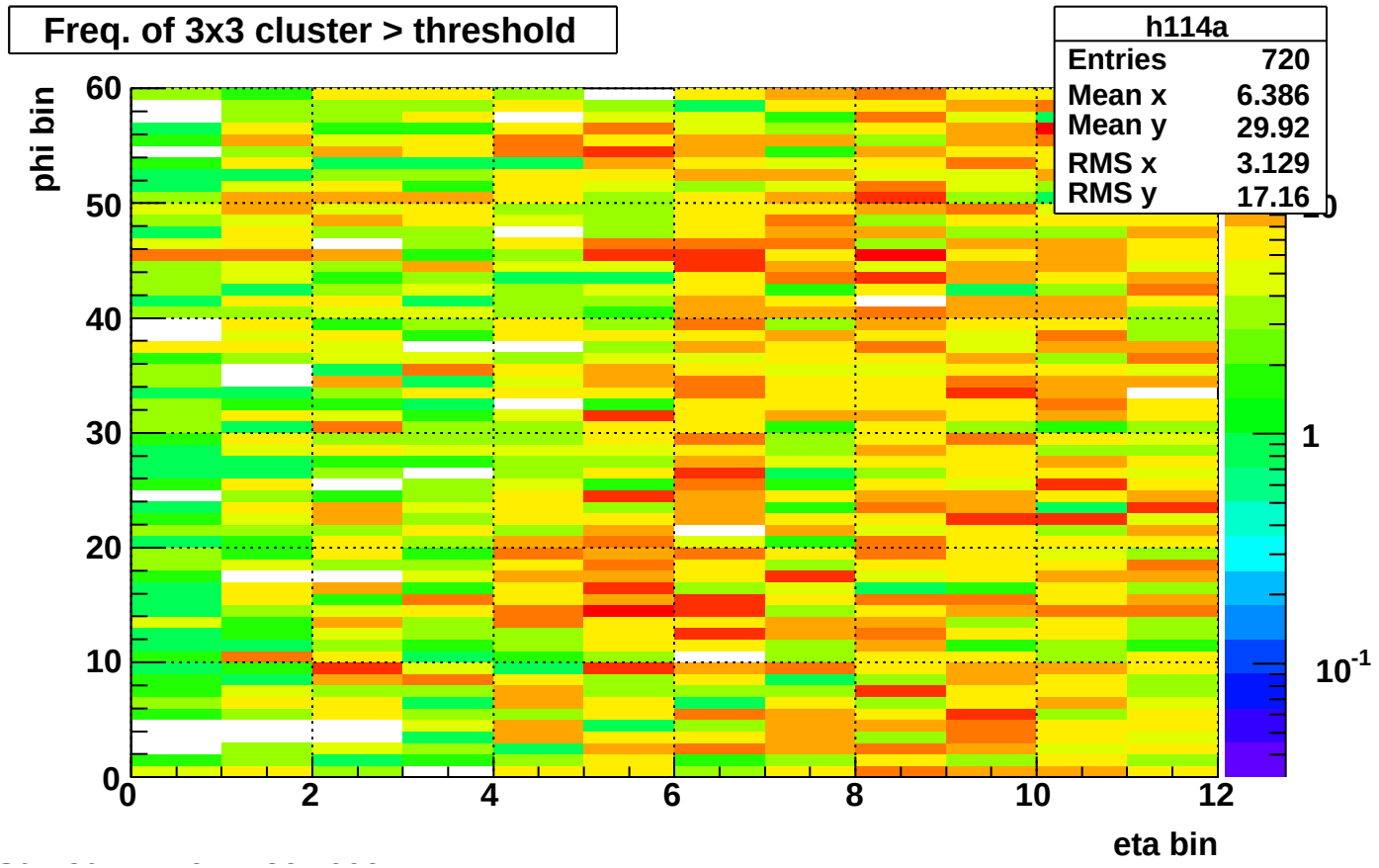

N clusters > threshold (w/ ht > threshold)
h102
Entries 6672
Mean 1.193
RMS 0.4806

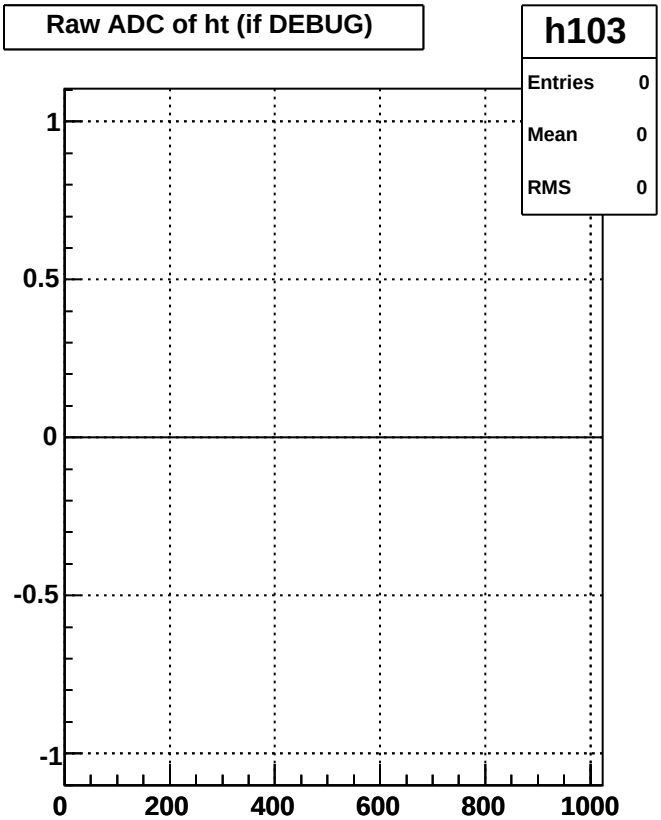

kTicks / input event
h115
Entries 6672
Mean 16.11
RMS 2.636
Input Events
tower > thresh
clust > thresh

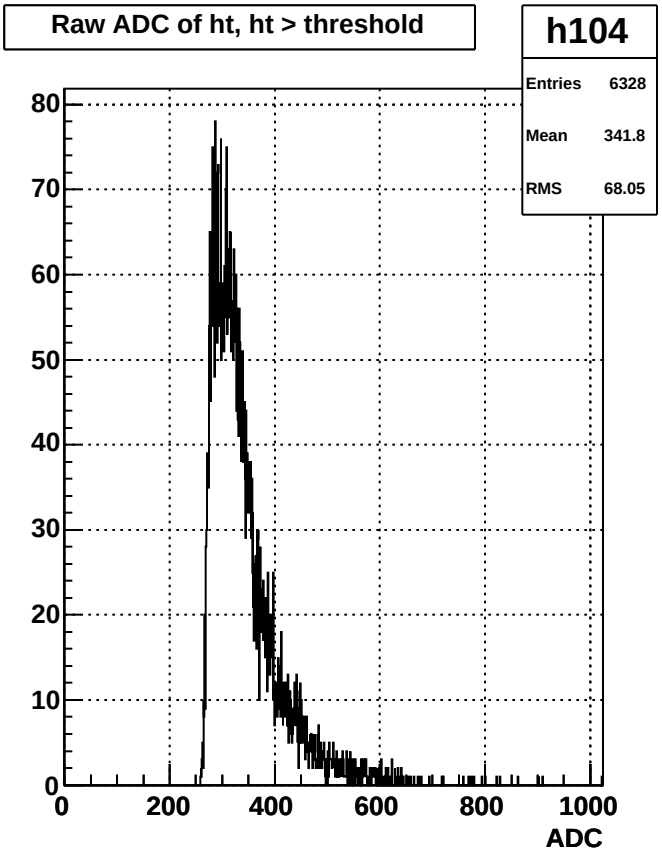

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 4653
Mean 365.6
RMS 205.9
0
5
10
15
20
25
30
0
100
200
300
400
500
600
700

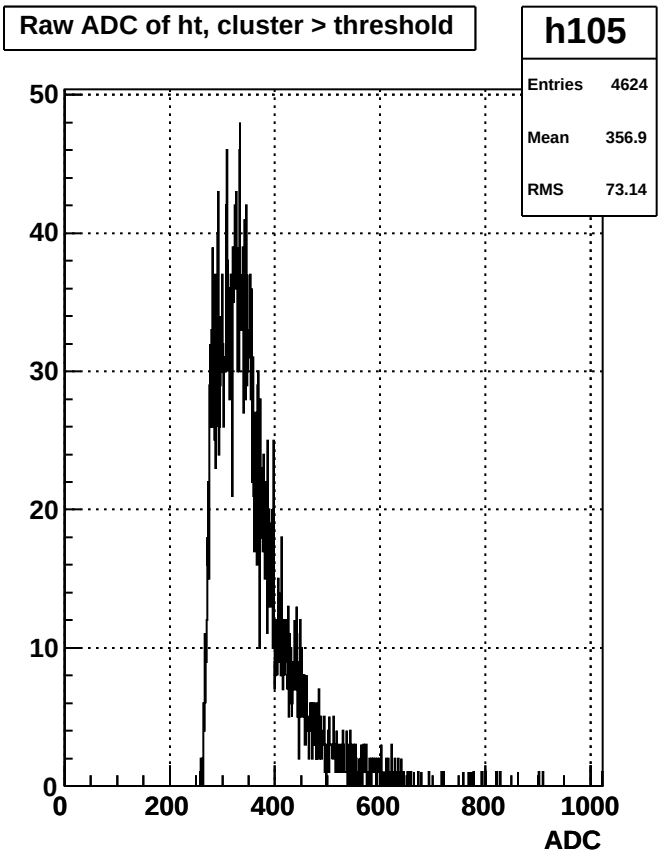

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 4624
Mean 366
RMS 205.9
0
5
10
15
20
25
30
0
100
200
300
400
500
600
700

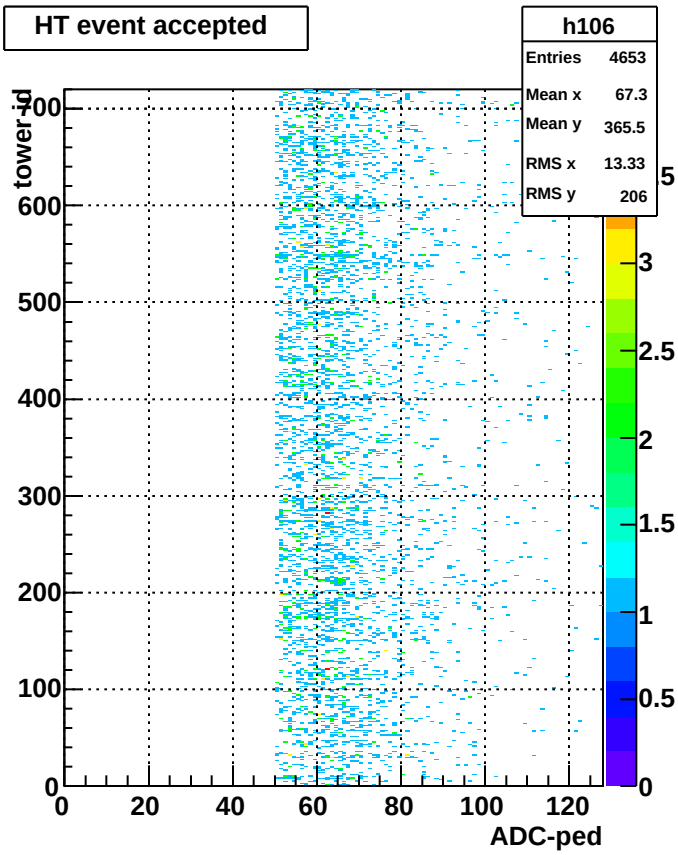

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.394
Mean y 29.9
RMS x 3.131
RMS y 17.16
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}

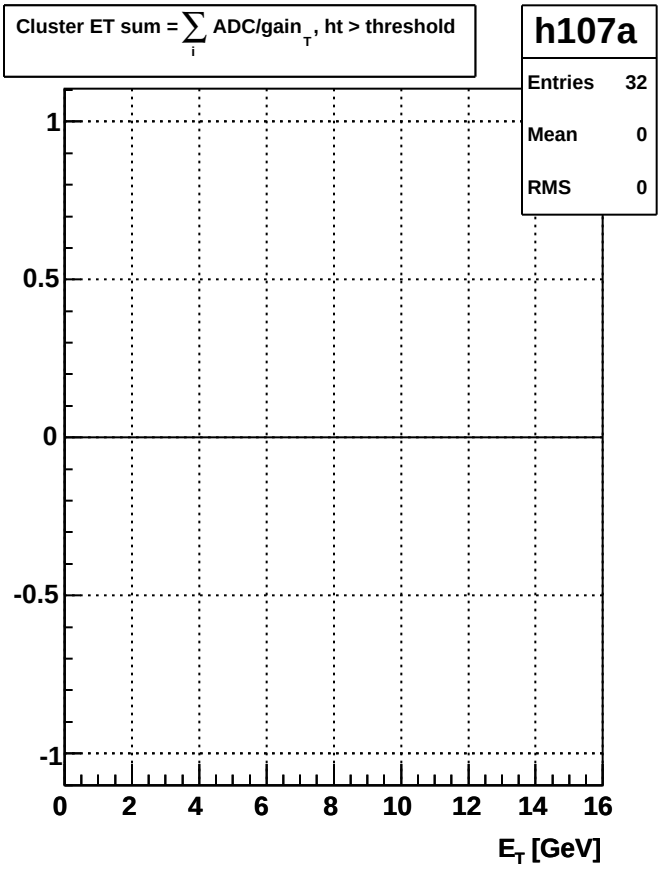

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.386
Mean y 29.92
RMS x 3.129
RMS y 17.16
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}

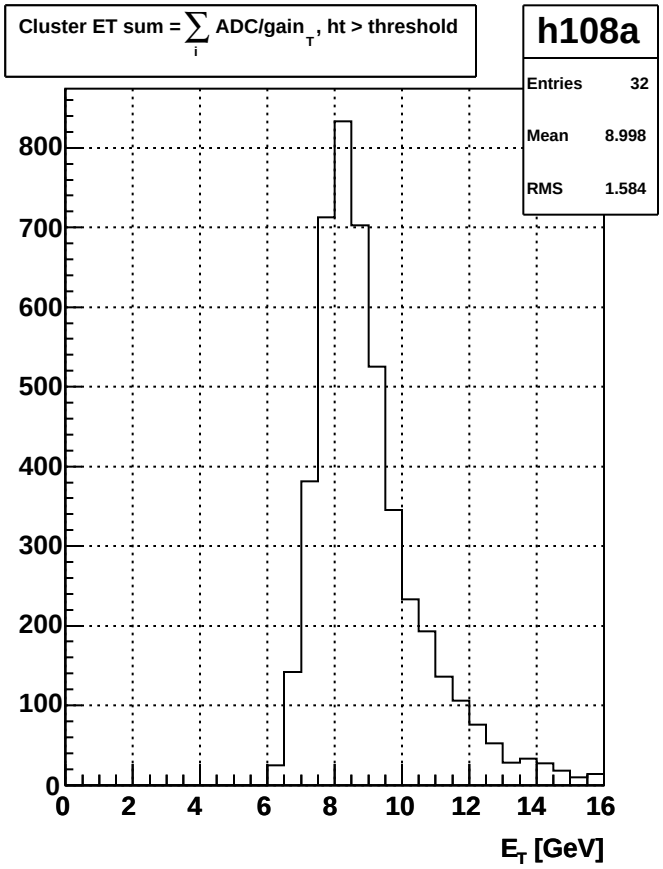

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

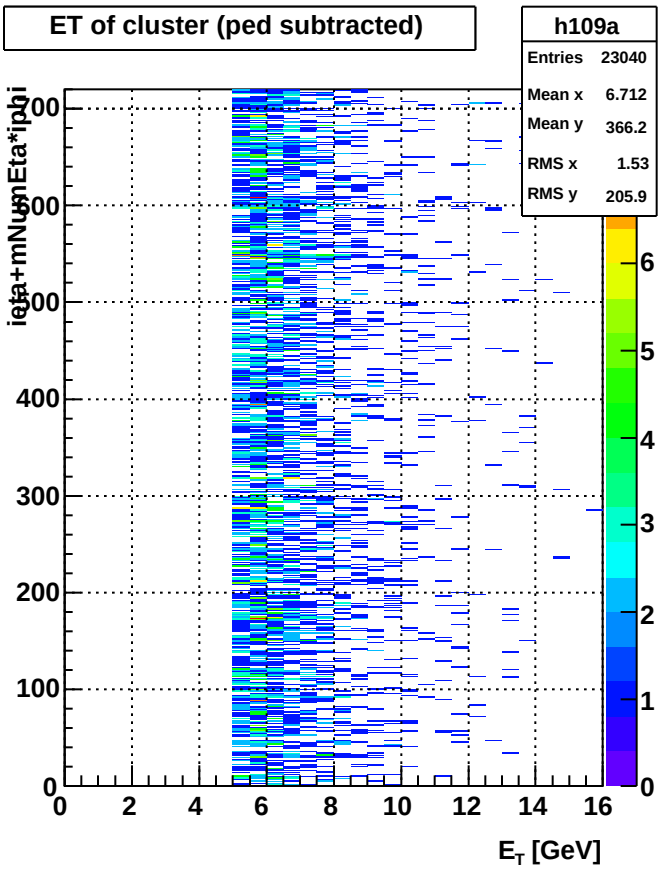

Raw ADC of ht, ht > threshold
h104
Entries 6328
Mean 341.8
RMS 68.05
80
70
60
50
40
30
20
10
0
0
200
400
600
800
1000
ADC

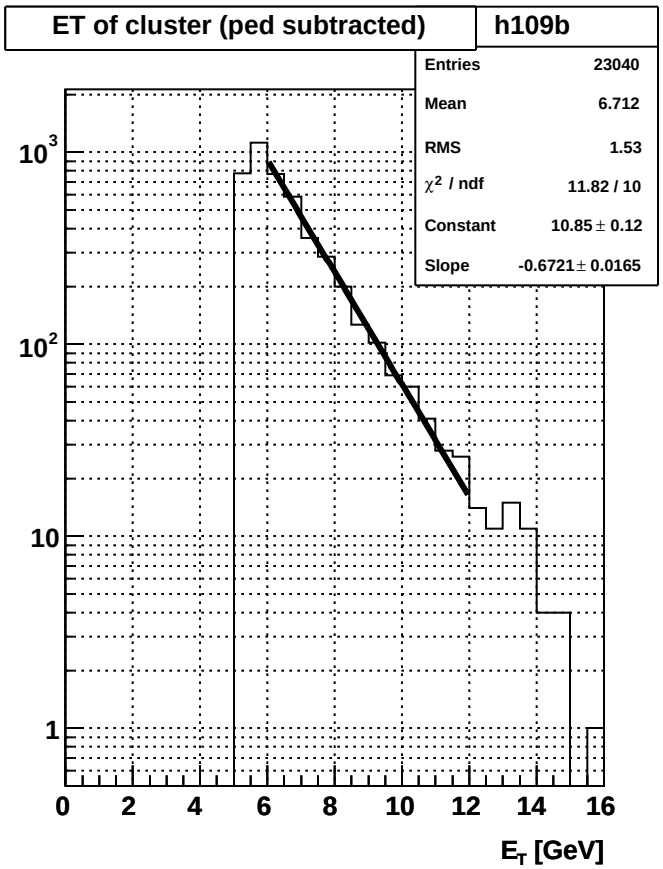

Raw ADC of ht, cluster > threshold
h105
Entries 4624
Mean 356.9
RMS 73.14
50
40
30
20
10
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 4653
Mean x 67.3
Mean y 365.5
RMS x 13.33
RMS y 206
tower id
700
600
500
400
300
200
100
0
0
20
40
60
80
100
120
ADC-ped
5
3
2.5
2
1.5
1
0.5
0


Cluster ET sum = $\sum_i$ ADC/gain$_T$, ht > threshold
h107a
Entries 32
Mean 0
RMS 0
E_T [GeV]


Cluster ET sum = $\sum_i$ ADC/gain$_T$, ht > threshold
h108a
Entries 32
Mean 8.998
RMS 1.584
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.712
Mean y 366.2
RMS x 1.53
RMS y 205.9
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.712
RMS 1.53
χ^2 / ndf 11.82 / 10
Constant 10.85 ± 0.12
Slope -0.6721 ± 0.0165
E_T [GeV]